|                   | Index of Claims   |          |  |                 |          |         |         |  |                     |           |           |          |  | ٣þ                     | Application/Control No. |              |            |            |         |                      |     |          |            |                  | Reexamination |           |           |                 |          |          |                      |           |  |   |
|-------------------|---|----------|--|-----------------|----------|---------|---------|--|---------------------|-----------|-----------|----------|--|------------------------|-------------------------|--------------|------------|------------|---------|----------------------|-----|----------|------------|------------------|---------------|-----------|-----------|-----------------|----------|----------|----------------------|-----------|--|---|
|                   | LABRIEL HOUSE BAILE DIES CONTRACTOR CONTRACTOR CONTRACTOR |          |  |                 |          |         |         |  |                     |           |           |          |  | 10/649,896<br>Examiner |                         |              |            |            |         |                      |     |          |            | LEE, BYEONG-HOON |               |           |           |                 |          |          |                      |           |  |   |
|                   |   |          |  |                 |          |         |         |  |                     |           |           |          |  |                        |                         |              |            |            |         |                      |     |          |            | Art Unit         |               |           |           |                 |          |          |                      |           |  |   |
|                   |   |          |  |                 |          |         |         |  |                     |           |           |          |  | George D. Spisich      |                         |              |            |            |         |                      |     |          |            | 3616             |               |           |           |                 |          |          |                      |           |  |   |
|                   |   |          |  |                 |          |         |         |  |                     |           |           |          |  |                        |                         |              |            |            |         |                      |     |          |            |                  |               |           |           |                 |          |          |                      |           |  |   |
| √ Rejected _ (The |   |          |  |                 |          |         |         |  |                     |           | Throu     | gh n     | era  | al)                    |                         | ,            | Von        | -Ele       | ected   |                      |     |          | Appeal     |                  |               |           |           |                 |          |          |                      |           |  |   |
|                   |   |          |  |                 |          |         |         |  |                     |           | Cancelled |          |  |                        |                         | N            | -          |            |         |                      |     |          | A          |                  |               |           |           |                 | $\dashv$ |          |                      |           |  |   |
|                   | = Allowed   |          |  |                 |          |         |         | +  |                     | Re        | estric    | ted      |  |                        |                         | ļı           | 1          | Interferer |         | en                   | nce |          | 0          |                  | Objected      |           |           |                 |          |          |                      |           |  |   |
| г                 |   |          | T  |                 |          |         |         |  | L                   |           | Claim     |          |  |                        |                         |              | <u>ـــ</u> |            |         |                      |     |          |            | <u>—</u>         |               |           |           |                 |          |          |                      | _         |  |   |
| }                 | Claim   |          |  | Date            |          |         |         |  | Т                   | $\dashv$  | Cli       |          |  |                        | Da                      | te           | Т          | _1-1-      |         | <u>  cı</u>          |     | aim<br>_ |            | 7                | Date          |           |           |                 | $\neg$   | Т        | ┥                    |           |  |   |
| İ                 | Final   | gina     | 12   | 4               |          |         |         |  |                     |           | Finat     | Original |  |                        |                         |              |            |            |         |                      |     | Finat    | Original   |                  | - 1           | İ         |           |                 |          |          |                      | 1         |  |   |
|                   | u   | Original | 15   | Œ               | 1        |         |         |  |                     |           | L L       | ŏ        |  |                        |                         |              |            |            |         |                      |     | <u> </u> | õ          |                  | 1             |           |           | ļ               |          |          |                      |           |  |   |
|                   | 1   | 1        | Ż  | Ę               |          |         |         |  | 4                   |           |           | 51       |  | 7                      | $\downarrow$            | #            | 1          | 1          | L       | П                    | ļ   |          | 101        | П                |               | $\exists$ |           |                 |          |          |                      | 4         |  |   |
|                   | 2<br>S  | 3        | +  | ╫┼              | +        | ╬       | ┼       |  | $\dashv$            | $\dashv$  | -         | 52<br>53 | $\vdash$   | $\dashv$               | +                       | +            | +          | ╁          | ╀       | Н                    | ŀ   |          | 102<br>103 | H                | -             | $\dashv$  | $\dashv$  | $\dashv$        | $\dashv$ | $\dashv$ | +                    | ᅱ         |  |   |
| ļ                 | 6   | 4        | 廿  | Ξ               | $\perp$  |         |         |  | $\Box$              | $\exists$ |           | 54       |  | 士                      | 1                       | 士            | 1          |            | İ       | Ħ                    | ŀ   |          | 104        |                  |               |           |           |                 |          |          | I                    | $\exists$ |  |   |
| ļ                 |   | 200      | I  |                 | 7        | $\perp$ |         | П  | $\Box$              |           |           | 55       | $\Box$   | T                      | 1                       | Ţ            | T          | F          | F       | П                    | F   |          | 105        | П                | $\exists$     | $\beth$   | $\exists$ | $\Box$          | $\Box$   | $\Box$   | $\Box$               | $\exists$ |  |   |
| }                 | 3   | 7        | H  | Ξ               | -        |         | ╁       | Н  | $\dashv$            | ╣         |           | 56<br>57 | ┝╌┤  | $\dashv$               | +                       | ╬            | ╁          | +          | ╁       | ╂╌┤                  | ŀ   |          | 106<br>107 | Н                | $\dashv$      |           | -         | $\dashv$        | -        |          | $\dashv$             | ᅱ         |  |   |
| ŀ                 | 4   | 8        | 7  |                 | _        | 士       | $\perp$ |  |                     | _         |           | 58       |  | _                      | $\pm$                   | 士            | $\dagger$  | 士          | İ       | $\Box$               | t   |          | 108        |                  |               |           |           |                 |          |          | 士                    | J         |  |   |
| ļ                 | 7   | 9        |  |                 | $\bot$   | T       |         | Ц  |                     | $\Box$    |           | 59       | П  | 7                      | 7                       | 1            | Ţ          | Ţ          | $\bot$  | $\Box$               | ſ   |          | 109        | П                | $\Box$        | $\Box$    | $\Box$    | $\square$       | $\Box$   | $\Box$   | $\Box$               | $\Box$    |  |   |
| }                 | 8   | 10       | <del> -</del>                                    | =               | $\dashv$ |         | +       | $\vdash$   | -                   | 4         | -         | 60<br>61 | $\vdash \vdash$                                  | -                      | +                       | +            | +          | +          | +       | H                    | -   |          | 110<br>111 | Н                |               | -         |           | $\vdash \vdash$ | _        | Н        | $\dashv$             | $\dashv$  |  |   |
|                   |   | 12       | $\vdash$   | H               | +        | +       | †-      | H  | $\vdash$            | $\dashv$  | -         | 62       | H  | $\dashv$               | $\dashv$                | +            | +          | +          | +       | Н                    |     |          | 112        | H                |               |           |           |                 |          |          |                      | $\exists$ |  |   |
| ļ                 |   | 13       |  |                 |          | $\bot$  |         |  | $\Box$              |           |           | 63       |  | $\Box$                 | $\Box$                  | $\downarrow$ | Ţ          | I          |         | $\Box$               |     |          | 113        | П                |               | $\Box$    |           |                 |          |          |                      | $\beth$   |  |   |
|                   |   | 14<br>15 | -  | $\vdash$        | -        | +       | +       | $\vdash \vdash$                                  | 1                   | $\dashv$  | <b>—</b>  | 64<br>65 | Н  | $\dashv$               | $\dashv$                | +            | +          | +          | +-      | $\vdash$             | -   |          | 114<br>115 | $\vdash \mid$    | $\dashv$      |           |           | -               |          | $\vdash$ | $\dashv$             | $\dashv$  |  |   |
|                   |   | 16       | -  | $\vdash \vdash$ | $\dashv$ | +       | +       | Н  | $\vdash$            | $\dashv$  | -         | 66       | $\vdash$   | +                      | $\dashv$                | +            | +          | +          | +       | +                    | -   |          | 116        | Н                | Н             | $\vdash$  | _         |                 |          | $\vdash$ |                      | $\dashv$  |  |   |
| į                 |   | 17       |  | П               | 工        | 工       |         | 口  | 口                   | $\Box$    |           | 67       |  | $\Box$                 | $\Box$                  |              | #          | 1          | $\perp$ | $\Box$               | ţ   |          | 117        |                  |               | ⇉         |           |                 |          | 口        |                      | $\Box$    |  |   |
|                   |   | 18       | L  | $\sqcup$        |          | +       | +       | Н  | $\vdash$            | 4         | <u> </u>  | 68<br>69 | Н  | $\dashv$               | 4                       | +            | +          | +          | +       | $\vdash \vdash$      | .   |          | 118<br>119 |                  | Щ             | $\dashv$  |           | Н               |          | Н        | -                    | $\dashv$  |  |   |
|                   |   | 19<br>20 | $\vdash$   | $\vdash$        | -        | +       | +-      | Н  | $\vdash \vdash$     | $\dashv$  | $\vdash$  | 70       | H  | +                      | +                       | +            | +          | +          | +-      | ↤                    |     |          | 120        | +                | H             | -         |           | $\vdash \vdash$ | -        | Н        | $\dashv$             | $\dashv$  |  |   |
|                   |   | 21       |  |                 | 士        | 士       | 士       |  |                     | $\exists$ |           | 71       | 口  |                        | ⇉                       | $\pm$        | 土          | 1          |         | 口                    | į   |          | 121        |                  |               |           |           |                 |          |          |                      |           |  |   |
|                   |   | 22       | F  | $\Box$          | $\Box$   | $\bot$  |         | $\Box$   | П                   | _         |           | 72       |  | $\Box$                 | 4                       | $\bot$       | 4          | +          | $\perp$ | $\sqcup$             |     |          | 122        |                  | ļ             | Н         |           | $\sqcup$        |          | Ш        | $\dashv$             | 4         |  |   |
|                   |   | 23       | ├  | $\vdash$        | +        | +       | +-      | $\vdash$   | ⊣                   | $\dashv$  |           | 73       | Н  | $\vdash$               | -+                      | +            | ╁          | +          | +       | ${oldsymbol{arphi}}$ |     |          | 123<br>124 | +                | -             | $\vdash$  |           | Н               |          | Н        |                      | $\dashv$  |  |   |
|                   |   | 25       |  | H               | +        | $\top$  | +       |  | $  \cdot  $         | $\exists$ |           | 75       | Н  |                        | _†                      | 十            | 十          | $\dagger$  | 士       | $\Box$               |     |          | 125        |                  |               |           |           | H               |          | H        |                      |           |  |   |
|                   |   | 26       |  | $\Box$          | $\Box$   | 丰       | $\perp$ |  | П                   |           |           | 76       |  |                        | $\Box$                  | $\perp$      | 1          | Ţ          | Ţ       | 口                    |     |          | 126        |                  |               |           |           | П               |          | П        |                      |           |  |   |
|                   |   | 27       | ┡  | $\vdash$        |          | -       | +       | $\vdash$   | $\vdash$            | 4         | <u> </u>  | 77<br>78 | Н  | Н                      | $\dashv$                | +            | 4          | +          | +-      | ╀┤                   |     |          | 127<br>128 |                  |               | $\dashv$  |           | H               |          | Н        | $\vdash$             | $\dashv$  |  |   |
|                   |   | 28<br>29 | ╁╌   | ╁╌┤             | +        | - -     | +       | $\vdash$   | $\vdash$            | $\dashv$  | -         | 79       | Н  | $\vdash$               | +                       | +            | +          | +          | +       | ┼┤                   |     |          | 129        |                  | H             | Н         | _         | Н               |          | Н        | $\vdash \vdash$      | $\dashv$  |  |   |
|                   |   | 30       |  |                 | 士        |         |         |  |                     |           |           | 80       |  |                        | ⇉                       | $\perp$      |            |            | 工       | 口                    |     |          | 130        |                  |               |           |           |                 |          |          |                      |           |  |   |
| i                 |   | 31       | $\Box$   | П               | $\Box$   | $\bot$  | 1       | $\Box$   | $\prod$             | $\Box$    |           | 81       | Ц  |                        | 7                       | -            | $\bot$     | 1          | 1       | $\Box$               |     |          | 131        |                  |               |           |           | П               |          | Ц        |                      |           |  |   |
|                   | <u> </u>  | 32       | $\vdash$   | $\vdash \vdash$ | $\dashv$ | +       | +       | -  | $\vdash \vdash$     | $\dashv$  | -         | 82       | Н  | $\dashv$               | +                       | - -          | +          | +          | +       | H                    |     |          | 132<br>133 |                  | $\vdash$      | $\vdash$  | -         | Н               | _        | Н        |                      | $\dashv$  |  |   |
|                   | -   | 34       | 1  | +               | +        | +       | +       | -  |                     | $\dashv$  |           | 84       | Н  | H                      | _                       | _            | _          | +          | 士       | ${}^{\dagger}$       |     |          | 134        |                  |               | H         | _         | H               | _        | H        |                      | $\exists$ |  |   |
|                   |   | 35       |  |                 | $\Box$   | $\bot$  |         |  | П                   | $\Box$    |           | 85       |  | 口                      | $\exists$               | $\Box$       |            | 1          | I       | $\Box$               |     |          | 135        |                  |               |           |           |                 |          | Ш        |                      |           |  |   |
|                   |   | 36       | ┡  | $+ \downarrow$  |          | +       | ┦       | -  | $\vdash \vdash$     | 4         |           | 86       | Н  | Н                      |                         | +            | +          | +          | +       | +                    |     |          | 136<br>137 |                  | -             | Н         | <u> </u>  | $\vdash$        | <u> </u> | $\sqcup$ | dash                 | Н         |  |   |
|                   | <b></b>   | 37<br>38 | $\vdash$   | H               | $\dashv$ | +       | +       | +-   | $\vdash \vdash$     | $\dashv$  | -         | 87<br>88 | $\vdash$   | $\vdash \vdash$        | $\dashv$                | +            | +          | +          | +-      | Н                    |     |          | 137        |                  | -             | H         | -         | Н               | -        | Н        | ${oldsymbol{ec{H}}}$ | H         |  | • |
|                   |   | 39       |  |                 | 士        | 土       |         |  |                     | $\exists$ |           | 89       |  |                        |                         |              | $\pm$      | $\perp$    | 上       | $\Box$               |     |          | 139        |                  |               |           |           |                 |          |          |                      |           |  |   |
|                   |   | 40       |  | $\Box$          | $\Box$   |         | $\perp$ |  | $\Box$              | $\exists$ |           | 90       | Ē  | Д                      | 7                       | $\bot$       | $\bot$     | $\bot$     | T.      | $\Box$               |     |          | 140        |                  | Ĺ             |           |           | П               |          | Ц        |                      | Ц         |  |   |
|                   |   | 41       | $\vdash$   | $\vdash$        | +        | +       | +       | ├  | $\vdash \vdash$     | $\dashv$  | -         | 91<br>92 | $\vdash$   | $\vdash \vdash$        | +                       | +            | +          | +          | +-      | +                    |     |          | 141<br>142 |                  | -             | Н         | -         | Н               | ┡        | $\vdash$ | Н                    | Н         |  |   |
|                   | <u> </u>  | 43       | <del>                                     </del> | +               | +        | 十       | +-      | <del>                                     </del> | +                   | $\dashv$  | $\vdash$  | 93       | $\vdash$   | $\vdash \vdash$        | $\dashv$                | +            | +          | +          | +-      | +                    |     |          | 143        |                  |               | Н         | _         | $\vdash$        | $\vdash$ | Н        | Н                    | $\exists$ |  |   |
|                   |   | 44       |  | П               |          |         |         |  | $\Box$              |           |           | 94       |  | 口                      | $\Box$                  | 1            | 4          | 1          | 1       | $\square$            |     |          | 144        |                  |               |           |           |                 |          | $\Box$   |                      |           |  |   |
|                   | <u> </u>  | 45<br>46 | $\vdash$   | $\square$       | -        | +       | +-      | $\vdash$   | $\vdash \downarrow$ | $\dashv$  |           | 95<br>96 | <u> </u>   | dash                   | -                       | +            | +          | +          | +       | +                    |     | <u></u>  | 145<br>146 |                  | H             |           | <u> </u>  | H               | <u> </u> | H        |                      | Н         |  |   |
|                   | <del> </del>  | 47       | +  | $\vdash$        | +        | +       | +       | +  | $\vdash$            | $\dashv$  |           | 97       | <del>                                     </del> | Н                      | $\dashv$                | +            | +          | 十          | +       | ╁┤                   |     |          | 147        |                  | -             | H         | -         | $\vdash$        | -        | Н        | Н                    | H         |  |   |
| i                 |   | 48       |  |                 |          |         |         |  | 口                   |           |           | 98       |  |                        |                         | 1            | 土          | 工          | 工       |                      |     |          | 148        |                  |               |           |           |                 |          |          |                      |           |  |   |
|                   | <u> </u>  | 49       | $\vdash$   | $\Box$          | $\Box$   | $\bot$  | $\bot$  | <u> </u>   | $oxed{\Box}$        | _         | $\vdash$  | 99       | $\vdash$   | oxdot                  | -                       | $\bot$       | $\perp$    | $\perp$    | $\perp$ | $\Box$               |     |          | 149        |                  | $\vdash$      |           | Ĺ         | $\vdash$        | $\vdash$ | $\vdash$ | Ц                    |           |  |   |